

Table 1S. Primers used for RealTime-PCR in this study

Name	Nucleotide Sequence	Applications
16S RNAFw	Forward, 5'-CACACCGCCCGTCACACC-3'	16S rRNA (160 bp)
16S RNARev	Reverse, 5'-CAGCCGCACCTTCCGATACG-3'	16S rRNA (160 bp)
SMU.140Fw	Forward, 5'-ACTTCAGGCTATCAGGTAA-3'	<i>gshR</i> (131 bp)
SMU.140Rev	Reverse, 5'-GCATAGAATATACCGAGCG -3'	<i>gshR</i> (131 bp)
SMU.1115Fw	Forward, 5'-TTGGCGACGCTCTTGATCTTAG-3'	<i>ldh</i> (92 bp)
SMU.1115Rev	Reverse, 5'-GTCAGCATCCGCACAGTCTTC-3'	<i>ldh</i> (92 bp)
SMU.127Fw	Forward, 5'-GGAGACTCGGCAACTAAT-3'	<i>adhA</i> (175 bp)
SMU.127Rev	Reverse, 5'-CAGGAATACCATAAGCATCAG-3'	<i>adhA</i> (175 bp)
SMU.1117cFw	Forward, 5'-AACACCAATCTTACCACCTA-3'	<i>nox-2</i> (171 bp)
SMU.1117cRev	Reverse, 5'-GCACCAACAACAGCAATA-3'	<i>nox-2</i> (171 bp)
SMU.1001Fw	Forward, 5'-CAGAATATGAAGCACAGAGTC-3'	<i>dpr</i> (90 bp)
SMU.1001Rev	Reverse, 5'-CTACCATAACACCTTGAGATAAC-3'	<i>dpr</i> (90 bp)
SMU.764Fw	Forward, 5'-GATGGTATTGGTCGTGATG-3'	<i>ahpC</i> (80 bp)
SMU.764Rev	Reverse, 5'-ACTTCTCCTGGATGTTGG-3'	<i>ahpC</i> (80 bp)
SMU.838Fw	Forward, 5'-TAACCAGTCACCGTCAAG-3'	<i>gshR2</i> , <i>gor</i> (97 bp)
SMU.838Rev	Reverse, 5'-TCATCAACACCATAACCAATAC-3'	<i>gshR2</i> , <i>gor</i> (97 bp)
SMU.1410Fw	Forward, 5'-GATTCACCTCTAACACAACCTT-3'	<i>fdrC</i> (183 bp)
SMU.1410Rev	Reverse, 5'-TGGCTGCTTCGTATAACT-3'	<i>fdrC</i> (183 bp)
SMU.137Fw	Forward, 5'-GTATTGCCTCTCGTGTCT-3'	<i>mleS</i> (118 bp)
SMU.137Rev	Reverse, 5'-AAGTCGTCCATATCGTCAA-3'	<i>mleS</i> (118 bp)
SMU.138Fw	Forward, 5'-GCTCTGCCTTACTTCCTAA-3'	<i>mleP</i> (87 bp)
SMU.138Rev	Reverse, 5'-CTTGCTATCCGTCGTCAT-3'	<i>mleP</i> (87 bp)